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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/521,312	01/14/2005	Satoru Tanaka	Q85242	1741
SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			EXAMINER MARTINEZ, JOSEPH P	
			WASHINGTON, DC 20037	
SHORTENED STATUTOR	RY PERIOD OF RESPONSE	MAIL DATE	DELIVER	Y MODE
3 MC	ONTHS	02/08/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)	
	10/521,312	TANAKA ET AL.	
Office Action Summary	Examiner	Art Unit	
	Joseph P. Martinez	2873	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	ne correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICAT 36(a). In no event, however, may a reply twill apply and will expire SIX (6) MONTHS a cause the application to become ABAND	TON. be timely filed from the mailing date of this communication. ONED (35 U.S.C. § 133).	
Status			
1)⊠ Responsive to communication(s) filed on <u>17 N</u> 2a)⊠ This action is FINAL . 2b)□ This 3)□ Since this application is in condition for alloware closed in accordance with the practice under E	s action is non-final. nce except for formal matters,	•	
Disposition of Claims	V		
4) Claim(s) 1-4 and 6 is/are pending in the applic 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1-4 and 6 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o	wn from consideration		
Application Papers			
9) ☐ The specification is objected to by the Examine 10) ☑ The drawing(s) filed on 17 November 2006 is/a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) ☐ The oath or declaration is objected to by the Ex	re: a) \square accepted or b) \square ob drawing(s) be held in abeyance. tion is required if the drawing(s) is	See 37 CFR 1.85(a). s objected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119		·	
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the prio application from the International Burear * See the attached detailed Office action for a list	is have been received. Is have been received in Application rity documents have been recuir (PCT Rule 17.2(a)).	cation No eived in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date		nary (PTO-413) nil Date nal Patent Application	

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DETAILED ACTION

Drawings

The drawings were received on 11-17-06. These drawings are acceptable.

Response to Arguments

Applicant's arguments with respect to claims 1-4 and 6 have been considered but are most in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

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Claims 1-4 and 6 are rejected under 35 U.S.C. 102(e) as being fully anticipated by Nomura et al. (7054253).

Re claim 1, Nomura et al. teaches for example in fig. 1, 2 and 4, a spatial light modulator for use in hologram recording (wherein the office interprets "for use in hologram recording" to be intended use and it has been held that a recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus satisfying the claimed structural limitations), in which a plurality of light modulation elements are arranged in one plane to modulate a light beam incident thereon (col. 2, ln. 30-44; col. 2, ln. 51-62), wherein: said plurality of light modulation elements are arranged such that there are at least two Fourier frequency components corresponding to distances of the light modulation elements (col. 2, ln. 30-44; col. 2, ln. 51-62), in an arbitrary direction in said plane (col. 10, ln. 25-31).

Re claim 2, Nomura et al. teaches for example in fig. 1, 2 and 4, a spatial light modulator for use in hologram recording (wherein the office interprets "for use in hologram recording" to be intended use and it has been held that a recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus satisfying the claimed structural limitations), in which a plurality of light modulation elements (col. 2, ln. 30-44; col. 2, ln. 51-62) are arranged in a light modulation region of a circular shape (col. 13,

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In. 17-26) to modulate a light beam incident thereon, wherein: said plurality of light modulation elements are arranged such that there are at least Fourier frequency components corresponding to distances of the light modulation elements (col. 2, ln. 30-44; col. 2, ln. 51-62) in an arbitrary direction in said light modulation region (col. 10, ln. 25-31), and sizes of the light modulation elements increases along an outer peripheral direction of said light modulation region (col. 13, ln. 17-26; col. 13, ln. 66-67 to col. 14, ln. 1-9; wherein the office interprets a combination of concentric electrodes and radial electrodes through the center to teach the claimed limitation).

Re claim 4, Nomura et al, teaches for example in fig. 1, 2 and 4, a spatial light modulator for use in hologram recording (wherein the office interprets "for use in hologram recording" to be intended use and it has been held that a recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus satisfying the claimed structural limitations) and having a light modulation region of a circular shape (col. 13, ln. 17-26) to modulate a light beam incident thereon, comprising: a plurality of light modulation elements arranged in areas which are obtained by radially and concentrically dividing said light modulation region (col. 13, ln. 17-26; col. 13, ln. 66-67 to col. 14, ln. 1-9), wherein said plurality of light modulation elements are positioned such that there are at least two Fourier frequency components corresponding to distances of the light modulation elements in a radial direction of said light modulation region (col. 10, ln. 25-31).

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Re claims 3 and 6, Nomura et al. further teaches for example in fig. 1, 2 and 4, said plurality of light modulation elements have areas such that the ratios of light powers incident on the respective light modulation elements fall within a predetermined range (col. 1, In. 11-18).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph P. Martinez whose telephone number is 571-272-2335. The examiner can normally be reached on M-F 7:00 AM to 3:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Mack can be reached on 571-272-2333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JPM 1-24-07

Hung X. Dang
Primary Examiner

TC 2800